

CHAPTER 4

POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE HIWASSEE RIVER WATERSHED

4.1. Background.

4.2. Characterization of HUC-10 Subwatersheds

- 4.2.A. 0602000203 (Hiwassee River)
- 4.2.B. 0602000204 (Conasauga Creek)
- 4.2.C. 0602000205 (Chestuee Creek)
- 4.2.D. 0602000206 (Hiwassee River)
- 4.2.E. 0602000207 (Oostanaula Creek)
- 4.2.F. 0602000208 (Mouse Creek)
- 4.2.G. 0602000209 (Candies Creek)

4.1. BACKGROUND. This chapter is organized by HUC-10 subwatershed, and the description of each subwatershed is divided into four parts:

- i. General description of the subwatershed
- ii. Description of point source contributions
 - ii.a. Description of facilities discharging to water bodies listed on the 1998 303(d) list
- iii. Description of nonpoint source contributions

The Hiwassee River Watershed (HUC 06020002) has been delineated into seven HUC 10- digit subwatersheds.

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 1.1 beta (developed by Tetra Tech, Inc for EPA Region 4) released in 2000.

WCS integrates with ArcView® v3.2 and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 1992 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on agricultural census data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.

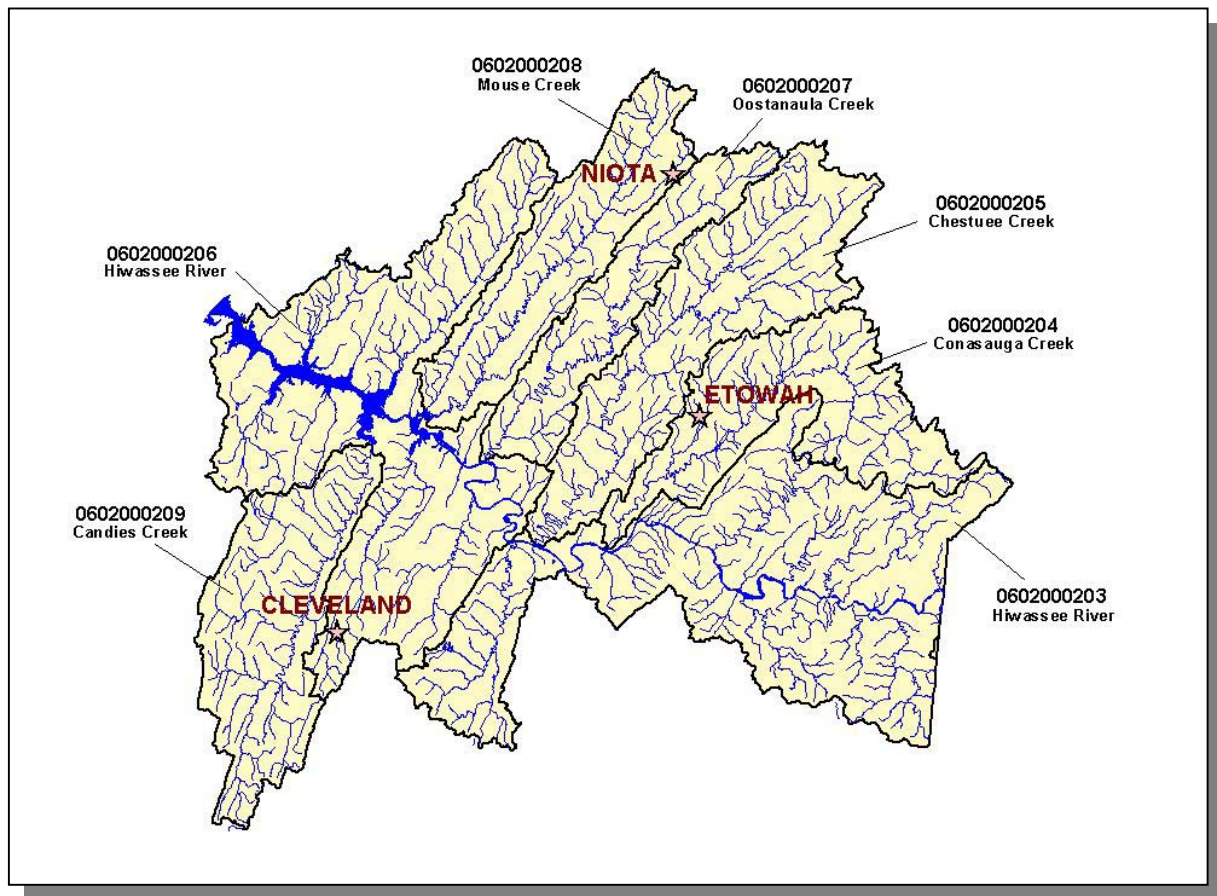


Figure 4-1. The Tennessee Portion of the Hiwassee River Watershed is Composed of Seven USGS-Delineated Subwatersheds (10-Digit Subwatersheds). Locations of Cleveland, Etowah, and Niota are shown for reference.

4.2. CHARACTERIZATION OF HUC-10 SUBWATERSHEDS. The Watershed Characterization System (WCS) software and data sets provided by EPA Region IV were used to characterize each subwatershed in the Hiwassee River Watershed.

HUC-10	HUC-12
0602000203	060200020301 (Hiwassee River)
	060200020302 (Turtletown Creek)
	060200020303 (Coker Creek)
	060200020304 (Spring Creek)
	060200020305 (Hiwassee River)
	060200020306 (South Chestuee Creek)
0602000204	060200020401 (Upper Conasauga Creek)
	060200020402 (Lower Conasauga Creek)
0602000205	060200020501 (Upper Chestuee Creek)
	060200020502 (Middle Creek)
	060200020503 (Lower Chestuee Creek)
0602000206	060200020601 (Hiwassee River)
	060200020602 (Hiwassee River)
	060200020603 (South Mouse Creek)
	060200020604 (Rogers Creek)
	060200020605 (Hiwassee River)
0602000207	060200020701 (Upper Oostanaula Creek)
	060200020702 (Lower Oostanaula Creek)
0602000208	060200020801 (Upper Mouse Creek)
	060200020802 (Lower Mouse Creek)
	060200020803 (Spring Creek)
0602000209	060200020901 (Upper Candies Creek)
	060200020902 (Middle Candies Creek)
	060200020903 (Lower Candies Creek)

Table 4-1. HUC-12 Drainage Areas are Nested Within HUC-10 Drainages. NRCS worked with USGS to delineate the HUC-10 and HUC-12 drainage boundaries.